

Title (en)
HYDRODYNAMIC AXIAL BEARING

Title (de)
HYDRODYNAMISCHES AXIALLAGER

Title (fr)
PALIER AXIAL HYDRODYNAMIQUE

Publication
EP 2193279 A1 20100609 (DE)

Application
EP 08804762 A 20080925

Priority
• EP 2008062878 W 20080925
• EP 07117287 A 20070926
• EP 08804762 A 20080925

Abstract (en)
[origin: EP2042753A1] The hydrodynamic axial bearing has a floating disk, which is arranged axially between a bearing housing (20) and a bearing comb (11) that is arranged on a shaft (10). A lubrication column has different geometrical recesses, where the lubrication column is formed on the both sides of the floating disk by a profiled circular ring area and a plane anti-friction surface.

IPC 8 full level
F16C 17/18 (2006.01); **F01D 25/16** (2006.01); **F16C 17/04** (2006.01); **F16C 17/10** (2006.01); **F16C 33/10** (2006.01)

CPC (source: EP KR US)
F01D 25/16 (2013.01 - KR); **F01D 25/168** (2013.01 - EP US); **F16C 17/04** (2013.01 - KR); **F16C 17/047** (2013.01 - EP US);
F16C 17/10 (2013.01 - KR); **F16C 17/18** (2013.01 - EP US); **F16C 33/10** (2013.01 - KR); **F16C 33/1075** (2013.01 - EP US);
F05D 2240/70 (2013.01 - EP US); **F16C 2360/24** (2013.01 - EP US)

Cited by
CN108468573A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2042753 A1 20090401; AT E554295 T1 20120515; BR PI0817308 A2 20150317; BR PI0817308 B1 20200428; CA 2699711 A1 20090409;
CA 2699711 C 20130723; CA 2807351 A1 20090409; CA 2807351 C 20140506; CN 101809299 A 20100818; CN 101809299 B 20130102;
CN 102748390 A 20121024; CN 102748390 B 20150729; EP 2193279 A1 20100609; EP 2193279 B1 20120418; EP 2461053 A1 20120606;
EP 2461053 B1 20130626; HK 1142941 A1 20101217; HK 1174378 A1 20130607; JP 2010540857 A 20101224; JP 2013047567 A 20130307;
JP 5226790 B2 20130703; JP 5631951 B2 20141126; KR 101178077 B1 20120830; KR 101302761 B1 20130902; KR 20100054168 A 20100524;
KR 20120056897 A 20120604; SG 183771 A1 20120927; US 2010178166 A1 20100715; US 8021105 B2 20110920;
WO 2009043809 A1 20090409

DOCDB simple family (application)
EP 07117287 A 20070926; AT 08804762 T 20080925; BR PI0817308 A 20080925; CA 2699711 A 20080925; CA 2807351 A 20080925;
CN 200880109641 A 20080925; CN 201210230715 A 20080925; EP 08804762 A 20080925; EP 12157550 A 20080925;
EP 2008062878 W 20080925; HK 10109456 A 20101004; HK 13101145 A 20130125; JP 2010526297 A 20080925; JP 2012225149 A 20121010;
KR 20107008984 A 20080925; KR 20127012664 A 20080925; SG 2012063202 A 20080925; US 74801710 A 20100326